

Product Data Sheet

Product Name: PBF-999

Cat. No.: GC79251

Chemical Properties

Cas. No. 1620909-95-6

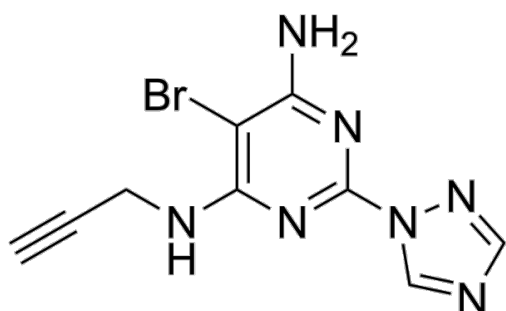
Formula $C_9H_8BrN_7$ M.Wt 294.11

Solubility DMSO: 100 mg/mL (340.01 mM; Need ultrasonic) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Caution: Product has not been fully validated for medical applications. For research use only.

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Background

PBF-999 is a phosphodiesterase10A (PDE-10A) and adenosine A2A receptor (A2AR) dual antagonist. PBF-999 binds to and inhibits the activity of PDE-10A, thereby preventing the degradation of cGMP. PBF-999 can be used for the study of solid tumour advanced cancer [1].

References:

[1]. Yu F, et al. Adenosine A2A Receptor Antagonists for Cancer Immunotherapy. J Med Chem. 2020 Nov 12;63(21):12196-12212.

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